

JUNIOR SURVEYOR
ASSISTANT SURVEYOR

DEFINITION:

To perform a variety of technical field and office land surveying work; and to perform related work.

DISTINGUISHING CHARACTERISTICS:

Positions in these classes are allocated to the Department of Public Works, Land Development Division.

Junior Surveyor:

This is the entry-level class in the Surveyor series. Under general supervision, a Junior Surveyor serves as an assistant on land surveying projects. Positions may also serve as party chief over a small sized field crew or as lead worker over an office survey group.

Assistant Surveyor:

This is the first working level class in the Surveyor series. Under direction, an Assistant Surveyor independently performs land-surveying projects of moderate complexity. Positions may serve as party chief over a crew of subordinate paraprofessional or technical staff in the field. Positions may also supervise subordinate staff performing office assignments in support of survey projects.

EXAMPLES OF DUTIES:

Junior Surveyor:

Determines exact location of points, elevations, lines, and areas; serves as lead worker on small survey crews performing routine land surveying work; operates surveying equipment; performs surveying calculations; prepares field notes and sketches; interprets deeds and maps; reviews the work of other professionals for compliance with the Division of Land and the Land Surveyors Act; monitors the activities of a field party performing a variety of surveys; and may lead the work over a small sized field or office survey group.

Assistant Surveyor:

All of the duties listed above and: Field duties: may plan, direct, coordinate and review the work of a small survey project unit performing a variety of land survey support work; conducts field surveys for construction, design, topographic, photo-grammetric, geodetic, hydrographic, property and right-of-way, and all types of control surveys; adjusts survey instruments to maintain accuracy; ensures the safety of the survey party in complying with safety procedures.

Office duties: produces a wide variety of technical data and performs calculations used in the office or field by professional engineers, technicians and managers in carrying out design, planning, construction, right-of-way acquisition and other operations; reviews deeds and easements; traverses for closures, adjustment of traverses; calculation of field notes; and may plan, direct, coordinate and review the work of professional surveyors or engineers

preparing survey documents and maps.

MINIMUM QUALIFICATIONS:

Knowledge Level: T = Thorough G = General -- = Not Applicable

Classification Level: Jr = Junior Surveyor
 Asst = Assistant Surveyor

Knowledge of:

Jr Asst

T	T	Fundamentals of engineering and land survey theory and practices relevant to design, geodetic surveying, planning, construction, right-of-way engineering, land acquisitions, land division and boundary location.
G	T	Sources of general engineering and/or land survey information widely used in this field.
G	T	Land surveying techniques, procedures and equipment employed in engineering construction land and photo-grammetric surveys.
G	T	Subdivision, parcel, deeds and record of survey maps.
G	G	Supervision and training principles and techniques.

Skills and Abilities to:

- Prepare and check preliminary studies, detailed calculations, cost estimates, maps to be recorded and specifications.
- Operate land-surveying equipment.
- Process subdivision, parcel and record of survey maps.
- Review and interpret deeds, easements, traverses, maps, drawings and other documents.
- Effectively communicate in oral and written form.
- Establish effective working relationships and consult and exchange information with public officials, engineers, surveyors and contractors.

Assistant Surveyor (in addition to the skills listed above):

- Plan, direct, coordinate and review the work of a unit of paraprofessional and technical staff performing surveys.
- Independently conduct field surveys for construction, design, topographic, photo-grammetric, geodetic, hydrographic, property and right-of-way, and all types of control surveys.
- Ensure the safety of the survey party in complying with safety procedures.

EDUCATION/EXPERIENCE:

Education, training and/or experience which clearly demonstrate possession of the knowledge, skills and abilities stated above. Examples of qualifying education/experience are:

Junior Surveyor:

1. A Bachelor's degree in Land Surveying from a college or university approved by the Accreditation Board for Engineering and Technology (A.B.E.T); OR,

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2. A valid Land Surveyor-in-Training (L.S.I.T) certificate; AND, two (2) years of professional land surveying work.

Assistant Surveyor:

1. A Bachelor's degree in Land Surveying from a college or university approved by the Accreditation Board for Engineering and Technology (A.B.E.T); AND, one (1) year of experience performing professional land surveying work after graduation; OR,
2. A valid Land Surveyor-in-Training (L.S.I.T) certificate; AND, three (3) years of professional land surveying work after obtaining the L.S.I.T.; OR;
3. One (1) year of experience as a Junior Surveyor with the County of San Diego.

SPECIAL NOTES, LICENSES, OR REQUIREMENTS:

License:

A valid California Class C driver's license will be required at time of appointment and must be maintained throughout employment in this class.